QA/QC in the VOC-Network in WMO GAW:Status of SOP

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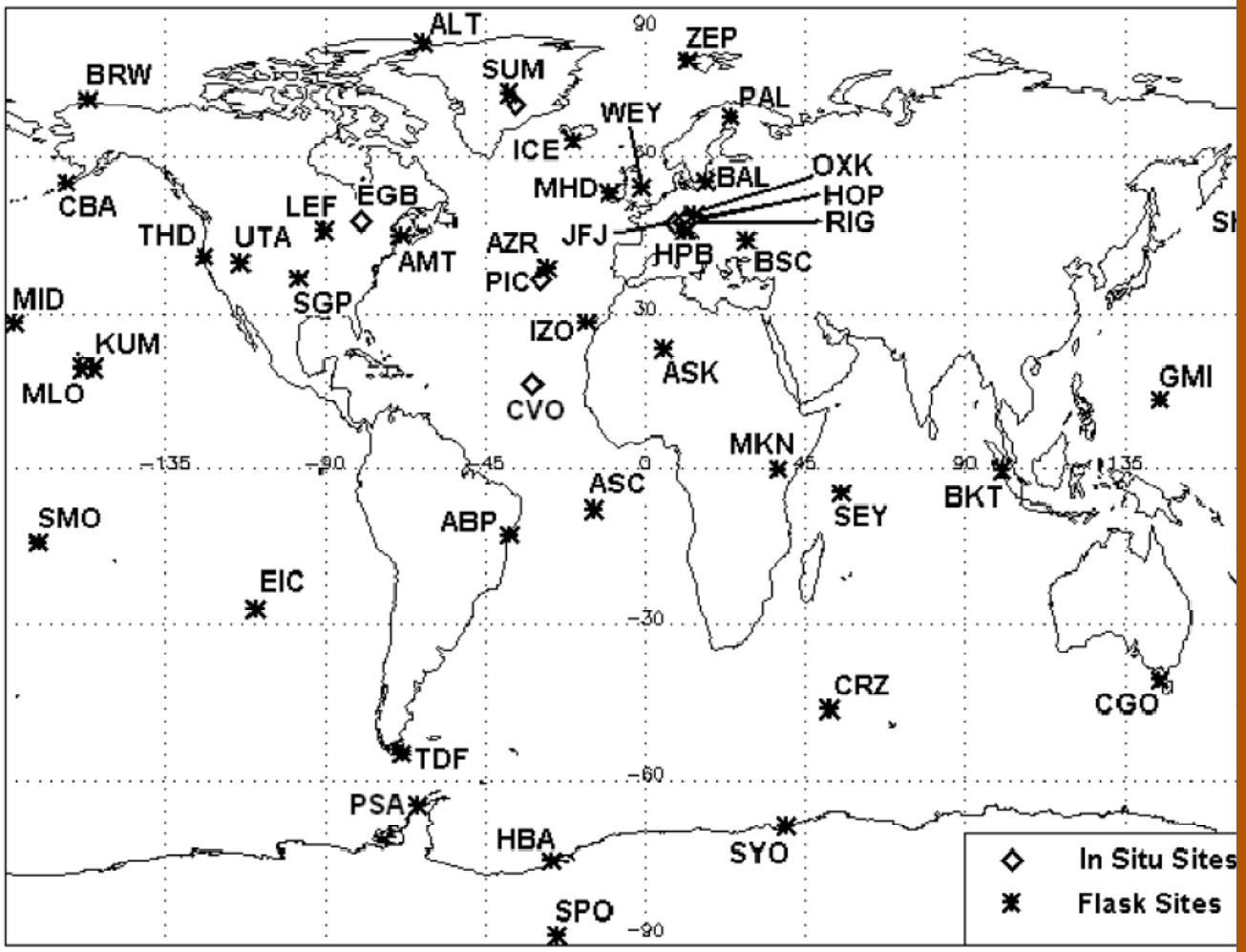
The GAW-VOC Network in 2010



Helmig, D., *Bottenheim J., Galbally I.E., Lewis A., Milton M., Penkett S., Plass-Duelmer C., Read K. Reimann S., Steinbrecher R., Tans P., Thiel* S. (2009): The WMO-GAW Volatile Organic Compound Program***Eos Trans. AGU, 90*(52), 513–514.**

http://imk-ifu.fzk.de/wcc-voc/

SAG
Reactive Gases
Malta

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QA/QC for GAW-VOC

Current status for sampling procedure:

- **SOP for canister sampling**

the GMD-Protocol for glass flasks:

to be adopted by GAW?

the GAW-Protocol for stainless steel flasks:

to be updated?

World Calibration Center for VOC (WCC-VOC) SOP for Sampling with Canisters

Fraunhofer IFU Institut Atmosphärische Umweltforschung

UBA

Other techniques?

Standard Operating Procedure (SOP)
for sampling with 2-Valve Canisters
(Repeated pressurisation/release)

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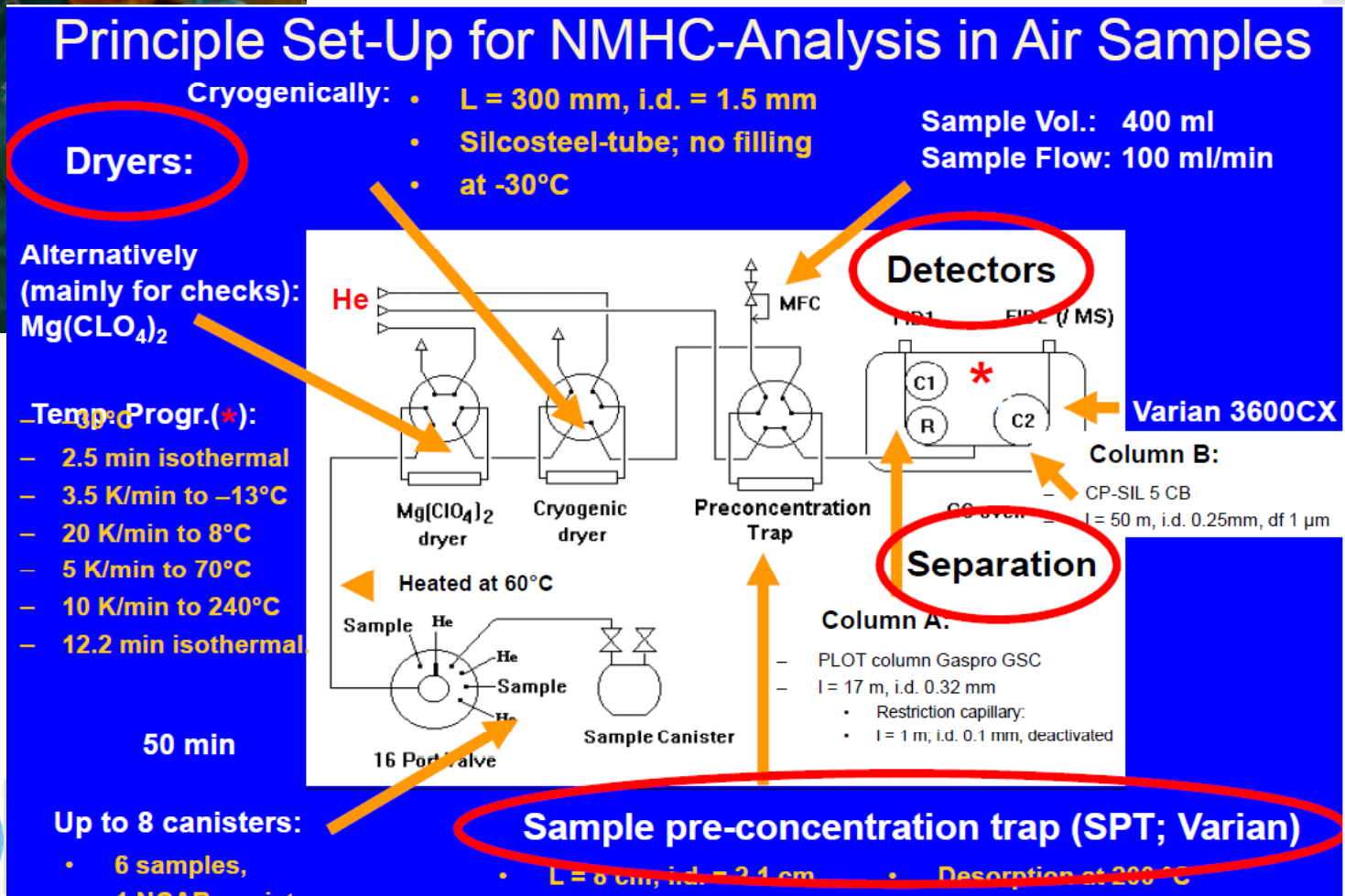
QA/QC for GAW-VOC

Current status of SOP for VOC analysis:

- Very complex set of compounds requiring different approaches for analysis.
  - How to formalise?



QA/QC for GAW-VOC

Current status of SOP for VOC analysis:

- **No SOP available but some methods published for analysing different set of compounds in air samples, e.g. NMHCs, monoterpenes, oxyVOC (see WMO-GAW report 171)**

General Questions:

How to formalise for GAW-VOC?

- one comprehensive SOP for analysis of all GAW-VOC targets?

- Several compound or compound-set specific SOPs?

- Plans in ACTRIS?

- Time-line?